

MARINE CORPS SYSTEMS COMMAND

EQUIPPING THE WARFIGHTER TO WIN



TRANSPORTABILITY



MARCORSYSCOM

COMMANDER

EXECUTIVE DIRECTOR *

PEO Land Systems

PM Expeditionary Fighting Vehicle
 PM JPMO, Lightweight 155,
 Picatinny, NJ
 PM Light Armored Vehicle MPC
 PM LVSR
 PM JLTV
 PM MTVR
 PM G/ATOR
 PM CAC2S

Chief of Staff

CIO
 Facilities & Services
 Operations Cell
 Reserve Affairs
 Security

Special Staff

International Programs
 Counter-Improvised Explosive Devices
 Corporate Communications
 Counsel
 OSBP
 Strategic Change Management Center

Sergeant Major

Product Group 09 Director, Operational Forces Systems

Product Group 10 Director, Information Systems & Infrastructure

Product Group 11 Director, MAGTF C2, Weapons & Sensors Development & Integration

Product Group 12 Director, Communications, Intelligence, & Networking Systems

Product Group 13 Director, Infantry Weapons Systems

Product Group 14 Director, Armor & Fire Support Systems

Product Group 15 Director, Ground Transportation & Engineer Systems

Product Group 16 Director, Combat Equipment and Support Systems

Program Manager, Ammunition

Program Manager, Global Combat Support System-Marine Corps

Program Manager, Light Armored Vehicle Warren, MI

Program Manager, Mine Resistant Ambush Protected

Program Manager, Robotic Systems Huntsville, AL

Program Manager, Training Systems Orlando, FL

Deputy JPEO, Chemical & Biological Defense Arlington, VA

Assistant Commander Contracts ^

Contracts
 Competency Domain/Competency Leaders

Assistant Commander Life Cycle Logistics ^

Life Cycle Logistics
 Competency Domain/Competency Leaders

Assistant Commander Programs ^

Program Mgmt
 Competency Domain/Competency Leaders

Deputy Commander
 Resource Management *^

Deputy Commander
 SIAT *^

Resource Mgmt
 Competency Domain/
 Competency Leaders

Director,
 Financial
 Management

Director,
 Workforce
 Management and
 Development

Research & Systems
 Engineering
 Competency Domain/
 Competency Leaders

Director,
 MAGTF and Joint
 Integration

Director,
 Information
 Assurance/Joint
 Certifications

Director,
 Program Engineering
 and Technology

Commanding Officer
 MCTSSA
 Camp Pendleton, CA

* = SES Position

^ = Competency
 Director

Updated 3Apr08

Mission

- **DEPUTY COMMANDER, SYSTEMS ENGINEERING INTEROPERABILITY, ARCHITECTURE, & TECHNOLOGY (DC SIAT)** conducts enterprise level systems engineering across product lines and product lifecycles to ensure MCSC provides end to end interoperable, certified warfighting capabilities.

TRANSPORTABILITY SECTION

- TRANSPORTABILITY OFFICER (0430)
 - CWO3 MELISSA TAFOYA
- TRANSPORTABILITY SPECIALIST (0481)
 - SGT MANUEL MORIN
- L3 CONTRACT SUPPORT
 - JAMES CONTOS

CURRENT PROJECTS

- **ACE/GCE STABILITY STUDY**
 - EQUIPMENT DATA SUPPORT
- **NAVAL INTEGRATION**
PROCESS/REQUIREMENTS (W/I
MARCORSYSCOM)
 - INFLUENCE EQUIPMENT DESIGN CHANGES
EARLY IN THE ACQUISITION PROCESS
- **LCAC CERTIFICATION**
 - UPDATE SEAOPS CARGO LOADING MANUAL

CERTIFICATION ORGANIZATIONS

- **SURFACE DEPLOYMENT AND DISTRIBUTION COMMAND-TRANSPORTATION ENGINEERING AGENCY (SDDC-TEA)**
 - RAIL
 - COMMERCIAL SHIP
 - HIGHWAY
- **AIR TRANSPORTABILITY TEST LOADING AGENCY (ATTLA)**
 - INTERNAL AMC AIRCRAFT
 - LVAD
- **NATICK**
 - EXTERNAL LIFT (HELICOPTER SLING LOAD)
 - SHELTER CERTIFICATIONS
- **NAVSEA**
 - LCAC
 - NAVAL INTEGRATION - AMPHIB/MPF
- **NAVAIR**
 - INTERNAL R/W, FIXED WING

WHAT REQUIRES CERTIFICATION?

- **TRANSPORTABLE PROBLEM ITEMS**

- The item is wheeled or tracked, and is to be towed, hauled, or self-propelled on or off highway.
- The item increases the physical characteristics of the designated transport medium.
- The item requires special handling or specialized loading procedures.
- The item has inadequate ramp clearance for ramp inclines of 15 degrees.
- Exceeds any of the following conditions:
 - Length - 20 feet (6096 mm, 240 in).
 - Width - 8 feet (2438 mm, 96 in).
 - Height - 8 feet (2438 mm, 96 in).
 - Weight - 10,000 pounds (4,536 kg).
 - Weight per linear foot - 1,600 pounds/foot (2381 kg/m).
 - Floor contact pressure - 50 psi (344.7 kPa).

CURRENT PROGRAMS

Bridge Erection Boat (BEB)



PROGRAM STATUS

- AAO: current 66 /pending buildup to 108
- Unit Cost: \$248,226.00
- Planned/Fielded: I MEF-6/6 II MEF-21/21 III MEF-4/4 MARFORRES-19/19 MPF- 13/12 SE-3/3
- FY07/FY08 Procuring 43 boats with trailers
- Fielding Complete: 03/09

DESCRIPTION

- The Bridge Erection Boat (BEB) is used to support bridging and amphibious operations. It is a 27- foot aluminum hulled open boat capable of carrying 15 Marines or 4,400 pounds of cargo.
- The BEB is primarily used to place and secure bridging assets, such as the Improved Ribbon Bridge (IRB) against currents.

Ribbon Bridge (IRB) against currents.

- Prime Contractor: ACB, Bellingham, WA

MILESTONE SCHEDULE

Fiscal Year	2007				2008				2009				2010			
Quarter	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Award								◇ (202K)								
FRP Decision																
Production	██████████					(202K)	██████████									
IOC	◆					(202K)		◆								
FOC			◆							◇		(202K)				

Anticipated contract award 2nd Qtr FY08, 5 month lead time, 5 per month, estimated delivery through 2nd Qtr FY09



Improved Ribbon Bridge (IRB)



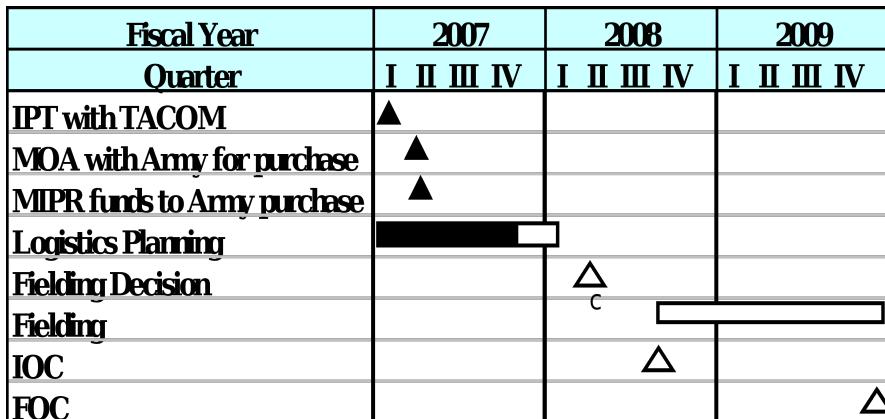
DESCRIPTION

- The Improved Ribbon Bridge (IRB) will provide the Marine Corps with the capabilities required for Marine Expeditionary Forces to overcome wet gap obstacles too wide to be breached and too deep to be forded by combat vehicles.
- The IRB is a floating wet gap bridge system capable of carrying a MLC 70/96 ton vehicle in stream currents of 10 feet per second (5.9 miles per hour). The IRB is capable of breaking down into two MLC 70/96 rafting sets. Rafting set (B-1625) consists of 5 interior and 2 ramp bays, Bridge set (B1055) consists of 12 interior and 5 ramp bays.
- Prime Contractor: General Dynamics Santa Barbara System (GDSBS) Kaiserslautern, Germany

PROGRAM STATUS

- AAO: 15
- Unit Cost: \$4.717M
- Planned/Fielded: I MEF-3/0 II MEF-3/0 III MEF-3/0 MARFORRES-6/0
- FY07/08 Procuring 15 IRB
- Fielding Complete: 4th Qtr FY09

MILESTONE SCHEDULE





Medium Girder Bridge (MGB)



PROGRAM STATUS

- LOGCOM Maintenance Center remanufacturing USMC inventory of MGBs, erection sets, and link sets
- Projected FY08 funding to purchase new: 6 MGB, 6 erection sets and 3 Link sets
- AAO: 32 Medium Girder Bridge (MGB)
17 Bridge Erection Sets
17 Link Reinforcement Sets

Sep 5, 2016

DESCRIPTION

- Lightweight, bridging system rapidly erected by hand in various configurations and lengths
- Bridges up to MLC 70 (tracked) or 100 (wheeled) can be constructed and dismantled rapidly by trained Marine Corps Engineer units to keep pace with operations.
- MGB is a deck-type, two-girder bridge system providing a 4-meter wide roadway to span wet or dry gaps.
- The Marine Corps inventory consists of 32 MGBs, 17 MGB Bridge Erection Sets, and 17 MGB Link Reinforcement Sets.

- Prime Contractor: Williams Fairey England Ltd.

MILESTONE SCHEDULE

Quarter	I	II	III	IV	I	II	III	IV	I	II	III	IV
Move Funding to MCA	▲		▲		▲							
Production												



Containerized Batch laundry Unit (CBL)



DESCRIPTION

- The CBL is a 100KW generator powered COTS laundry item configured into a standard ISO container and consists of two industrial 55 pound washers, two industrial 75 pound dryers, and a 30 GPM supply pump that can launder Gortex laminated fabrics such as the Joint Lightweight Integrated Suit Technology (JSLIST).
- Prime Contractor: SFA Inc. Easton MD

PROGRAM STATUS

- AAO: 94
- Unit Cost: \$131,131.00
- Planned/Fielded: I MEF-21/0 II MEF-21/0
ES- 2/0 III MEF-18/0 MARFORRES-10/0
MPF- 16/0
- FY07/08 Procuring 94 CBL
- Fielding Complete: 3rd Qtr FY09

MILESTONE SCHEDULE

Fiscal Year	2007			2008			2009		
Quarter	I	II	III	IV	I	II	III	IV	
Obligate Funding		◆							
Production									
Fielding									
IOC					◆				
FOC									◆

Engineer Equipment Trailer



PROGRAM STATUS

- AAO: 420
- Planned/Fielded:
 - I MEF - 84
 - II MEF - 94
 - III MEF - 59
 - MARFORRES - 73
 - SE - 16
 - MPS - 46
 - MCPPN - 26
 - Albany - 106
- Fielding Complete: 06/08

DESCRIPTION

- Commercial Tag Along Trailer for transporting the Backhoe Loader (BHL), Light Rough Terrain Forklift (LRTF) and Multi Terrain Loaders (MTL).
- Contractors: Load King – Elk Point SD

MILESTONE SCHEDULE

Tractor, Rubber-tired, Articulated Steering, Multi-purpose (TRAM)



DESCRIPTION

- John Deere 624K, Diesel-powered, four-wheel drive, rubber-tired, articulated steering tractor, capable of operating in rough terrain.
- Outfitted with a multi-purpose 4-in-1, 2.5 cubic yard bucket and 10,000 lbs forklift attachment.

PROGRAM STATUS

- AAO: 653
- Planned/Fielded: I MEF - 108
II MEF - 105
III MEF - 74
MARFORRES - 105
MPS/MCCP - 72
MARCENT - 90
- Contract Award 1st Quarter FY07
- Product Qualification testing completed
- LUE conducted Dec 07
- Projected fielding complete: 08/11

- Prime Contractor: John Deere - Moline, IL

MILESTONE SCHEDULE

Event/Activity	FY06	FY07	FY08	FY09	FY10	FY11										
Quarter	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Validate ROC																
Market Research/RFI		■														
ADM																
Issue RFP			■													
Source Selection			■													
Contract Award (4ea)				■												
POT/LUE					■											
FP/SI						□										
Production/Fielding Decision							Δ									
Production								■								
Fielding								■								
NET									■							

All Terrain Crane (ATC) MAC-50



PROGRAM STATUS

- AAO: 137
- Planned/Fielded: I MEF - 22
II MEF - 23
III MEF - 18
MARFORRES - 36
MPS/MCCP - 38
- Fielding complete: 08/09

DESCRIPTION

- Rough terrain, all-wheel drive/steer, self deployable.
- Heavy Lift capable, with optimum lifting capacity of 50-Tons.
- Air transportable (C-5 and C17).
- Diesel powered with four forward and four reverse speed selections.
- Enclosed cab allowing for extended operations in all-weather conditions.
- Equipped with Sling and Tamdom Lock
- Prime Contractor: Terex/DEMAG

MILESTONE SCHEDULE

Event/Activity	FY05				FY06				FY07				FY08				FY09			
Quarter	I	II	III	IV																
Issue RFP																				
Program Initiation - ACAT IV (M)																				
Source Selection																				
Contract Award																				
Aberdeen POT / LUE																				
FP/SI																				
Production/Fielding Decision																				
Production																				
Fielding																				
NET																				